

AMENDMENTS TO THE CLAIMS:

The listing of claims will replace all prior versions, and listings, of claims in the application:

1. (currently amended) A low-impedance electrical resistor, comprising:

a flat rectangular metal piece made of a resistor alloy having a main surface in one plane, front and side surfaces, oppositely disposed ends and having a thickness of at least 20 μ m;

and connection contacts applied by electroplating on a the main surface of the metal piece on the opposite ends thereof,

wherein the front surfaces of the metal piece and the connection contacts at said oppositely disposed ends and the side surfaces of the metal piece and the connection contacts which abut perpendicularly against these said front surfaces in each case are aligned with each other and extend in a direction perpendicularly to the plane of the main surface of the metal piece.

2. (original) The low-impedance electrical resistor according to Claim 1,

wherein the resistance value of the resistor is between approximately 0.5 m Ω and approximately 5.0 m Ω .

3. (original) The low-impedance electrical resistor according to Claim 1,

wherein the metal piece is a film which is attached to a substrate by its side which is turned away from the connection contacts.

In re Appln. of Hetzler
Application No. 10/650,625
Office Action dated August 5, 2004
Docket No. CU-3325VE

4. (original) The low-impedance electrical resistor according to Claim 3, wherein the film has a thickness of less than 100 μm .

5. (currently amended) The low-impedance electrical resistor according to Claim 3, wherein the resistance value of the resistor is greater than 10 $\text{m}\Omega$ and preferably greater than 50 $\text{m}\Omega$.

6. (cancelled)

Claims 7-13 (withdrawn)

14. (previously presented) The low-impedance electrical resistor according to Claim 1, wherein the resistor further comprises front and side surfaces cut by sawing.

15. (previously presented) The low-impedance electrical resistor according to Claim 1, wherein the resistor further comprises front and side surfaces cut by a laser.

Please add the following new Claims 16-19.

16. (new) The low-impedance electrical resistor according to Claim 5, wherein the resistance value of the resistor is greater than 50 $\text{m}\Omega$.

17. (new) The low-impedance electrical resistor according to Claim 1, wherein the front and side surfaces of the metal piece extend from the plane of the main surface in an identical direction and each extend in a direction that is parallel to the corresponding surface of the opposite end.

18. (new) A low-impedance electrical resistor, comprising:
a flat rectangular metal piece made of a resistor alloy having a main surface and a thickness of at least 20 μm ;

and connection contacts applied by electroplating on the main surface of the metal piece at opposite ends thereof,

wherein said metal piece and said connection contacts at said opposite ends comprise front surfaces and side surfaces that are cut by sawing,

said front surfaces of the metal piece and of the connection contacts and said side surfaces thereof which abut perpendicularly against said front surfaces being aligned with each other perpendicularly to the plane of the main surface of the metal piece.

19. (new) A low-impedance electrical resistor comprising:

a flat rectangular metal piece made of a resistor alloy having oppositely disposed ends and a thickness of at least 20 μm ,

and connection contacts applied by electroplating on a main surface of the metal piece on the oppositely disposed ends thereof,

wherein said metal piece and said connection contacts at said ends comprise front surfaces and side surfaces that are cut by a laser,

said front surfaces of the metal piece and of the connection contacts and said side surfaces thereof which abut perpendicularly against said front surfaces being aligned with each other perpendicularly to the plane of the main surface of the metal piece.